

L Number	Hits	Search Text	DB	Time stamp
1	184	(graft or grafted or modified).ab. and (styrene or styrenic).ab. and (block).ab.	USPAT; US-PGPUB	2003/11/30 13:36
2	12894	((clear or top) adj coat) or topcoat or clearcoat	USPAT; US-PGPUB	2003/11/30 13:16
3	7	((graft or grafted or modified).ab. and (styrene or styrenic).ab. and (block).ab.) and (((clear or top) adj coat) or topcoat or clearcoat)	USPAT; US-PGPUB	2003/11/30 13:09
4	101	polyketone same (clear or transparent or transparency)	USPAT; US-PGPUB	2003/11/30 13:12
5	67	((clear or top) adj coat) or topcoat or clearcoat) same (polyvinylfluoride or (polyvinyl adj fluoride))	USPAT; US-PGPUB	2003/11/30 13:16
6	53092	maleic adj anhydride	USPAT; US-PGPUB	2003/11/30 13:20
7	83	((graft or grafted or modified).ab. and (styrene or styrenic).ab. and (block).ab.) and (maleic adj anhydride)	USPAT; US-PGPUB	2003/11/30 13:26
8	504421	adhesive or adhesion or (tie adj layer)	USPAT; US-PGPUB	2003/11/30 13:27
9	38	(((graft or grafted or modified).ab. and (styrene or styrenic).ab. and (block).ab.) and (maleic adj anhydride)) and (adhesive or adhesion or (tie adj layer))	USPAT; US-PGPUB	2003/11/30 13:33
10	77184	diamine	USPAT; US-PGPUB	2003/11/30 13:33
11	11	(((graft or grafted or modified).ab. and (styrene or styrenic).ab. and (block).ab.) and (maleic adj anhydride)) and diamine	USPAT; US-PGPUB	2003/11/30 13:35
12	22	((graft or grafted or modified).ab. and (styrene or styrenic).ab. and (block).ab.) and diamine	USPAT; US-PGPUB	2003/11/30 13:35
13	2780	(graft or grafted or modified) and (styrene or styrenic) and (block)	EPO; JPO; DERWENT	2003/11/30 13:37
14	9271	((clear or top) adj coat) or topcoat or clearcoat	EPO; JPO; DERWENT	2003/11/30 13:37
15	7	((graft or grafted or modified) and (styrene or styrenic) and (block)) and (((clear or top) adj coat) or topcoat or clearcoat)	EPO; JPO; DERWENT	2003/11/30 13:38
16	39726	diamine	EPO; JPO; DERWENT	2003/11/30 13:38
17	29	((graft or grafted or modified) and (styrene or styrenic) and (block)) and diamine	EPO; JPO; DERWENT	2003/11/30 13:38
18	617013	adhesive or adhesion or (tie adj layer)	EPO; JPO; DERWENT	2003/11/30 13:38
19	4	(((graft or grafted or modified) and (styrene or styrenic) and (block)) and diamine) and (adhesive or adhesion or (tie adj layer))	EPO; JPO; DERWENT	2003/11/30 13:38
20	1	("20030099789").PN.	USPAT; US-PGPUB	2003/11/30 13:42

DERWENT-ACC-NO: 1982-47063E

DERWENT-WEEK: 198223

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TITLE: Laminated film of good inter-laminar adhesion -
comprises first layer of opt. modified styrene-maleic
anhydride!, copolymer layer of polyamide and adjuvant
layer of EVA copolymer

PATENT-ASSIGNEE: DAINIPPON INK & CHEM KK[DNIN]

PRIORITY-DATA: 1980JP-0146294 (October 21, 1980)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
JP 57070657 A	May 1, 1982	N/A	005	N/A

INT-CL (IPC): B32B027/30

ABSTRACTED-PUB-NO: JP 57070657A

BASIC-ABSTRACT:

Laminated sheet comprises first layer comprising blend of (A) styrene-malic anhydride copolymer resin or rubber-modified styrene-maleic anhydride copolymer resin (5-50 wt.%) and (B) polyamide resin (95-50 wt.%) and second adjuvant layer of EVA copolymer. The laminated sheets have improved interlaminar adhesion.

(A) is typically prep'd. by thermally polymerising styrene monomer and maleic anhydride in presence of a chain transfer agent and radical initiator and opt. in the presence of rubber (e.g. SBR, butadiene-acrylate rubber, isoprene rubber, isoprene/styrene rubber contg. 60-95 wt.% isoprene, A- or A-B- A block polymer of butadiene and styrene and contg. 60-95 wt.% butadiene and ethylene-propylene rubber) and may be added with various additives. (B) is typically prep'd. by polymerising epsilon-caprolactam or copolymerising a dicarboxylic acid (e.g. adipic and sebacic acid) and diamine (e.g. hexamethylene diamine) and may be added with various additives.

TITLE-TERMS: LAMINATE FILM INTER LAMINA ADHESIVE COMPRIZE FIRST LAYER OPTION

MODIFIED POLYSTYRENE MALEIC POLYANHYDRIDE COPOLYMER LAYER
POLYAMIDE
ADJUVANT LAYER EVA COPOLYMER

ADDL-INDEXING-TERMS:

POLYETHYLENE VINYL ACETATE COPOLYMER